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(21) Application number: **2001021019**(22) Date of filing: **30.01.2001**(71) Applicant: **HITACHI LTD**(72) Inventor: **SAITO TOSHIRO****TOMITA HIROYUKI****KATO KOICHI****NARAHARA MASATOSHI****(54) OLIGONUCLEOTIDE ARRAY FOR ANALYZING
DRUG RESPONSE****(57) Abstract:**

PROBLEM TO BE SOLVED: To obtain an oligonucleotide array capable of examining drug response at a low cost with high reliability.

SOLUTION: This oligonucleotide array is obtained by placing a number of, at least 20 species of genes re-

lated to a drug metabolic first-phase reactive enzyme including P-450 and a drug metabolic second-phase reactive enzyme as DNA fragments (probe DNAs) on the same array in examining a metabolic process using the array. Through what pathway a drug entering a living body is metabolized and how the living activity of the living body is influenced by the metabolite thereof can simply be examined at the genetic level.

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